

METAL MELTING FURNACE

ABSTRACT OF THE DISCLOSURE

In a metal melting furnace, a separation wall 60 is provided between an inclined hearth 30 and a molten metal reservoir 35 to define a molten metal processing portion 65. The separation wall is provided with a connecting passage 61 for the molten metal, between the molten metal reservoir and the molten metal processing portion, at a height level higher than a bottom surface 67 of the molten metal processing portion. The separation wall is also provided on its upper portion with an exhaust gas passage which permits exhaust gas discharged from the molten metal reservoir to pass therethrough. An inspection opening 31 with a door 32 is provided in a furnace wall surface 37W to open into the molten metal processing portion.